AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A data storage device having a storage means for storing acquired data in a hierarchical structure, comprising:

an image pickup unit for picking up an image;

[[an]] extraction means for extracting a piece of code information corresponding to a code which is possessed on said image from a piece of image data ~~acquired~~ obtained by picking up an image having the code by the image pickup unit; and

[[a]] name generation means for generating a folder name or a file name of the acquired data stored by the storage means relating to the acquired data based on the piece of code information extracted by the extraction means, wherein

the acquired data provided with the folder name or the file name is not the image data from which the piece of code information is extracted.

2. (Currently Amended) A data storage device having a storage means for storing acquired data in a hierarchical structure, comprising:

an image pickup unit for picking up an image;

a code recognition unit having a table in which pieces of code information are respectively corresponded to a plurality of pieces of image data;

[[an]] extraction means for extracting a piece of the code information corresponding to a code which is possessed on said image, from the table, corresponding to a piece of the image data ~~acquired~~ obtained by picking up an image having the code by the image pickup unit; and

[[a]] name generation means for generating a folder name or a file name of the acquired data stored by the storage relating to the acquired data based on the piece of the code information extracted by the extraction means, wherein

the acquired data provided with the folder name or the file name is not the image data for extracting the piece of code information by the extraction means.

3. (Currently amended) The data storage device according to claim 1, further comprising [[a]] determination means for determining whether or not the piece of the code information is extracted by the extraction means, wherein when the determination means determines that the piece of the code information is not extracted by the extraction means, the name generation means generates the folder name or the file name relating to the acquired data based on predetermined information.

4. (Currently amended) The data storage device according to claim 3, further comprising [[a]] report means for reporting a message that the piece of the code information is not extracted by the extraction means, when the determination means determines accordingly.

5. (Currently amended) The data storage device according to claim 1, further comprising:

[[a]] folder generation means for generating in the storage means a folder of the folder name generated by the name generation means; and

[[a]] name changing means for changing the folder name or the file name relating to the acquired data stored in the storage means, to the folder name or the file name generated by the name generation means.

6. (Currently amended) The data storage device according to claim 5, further comprising [[a]] reception means for receiving a selection of a first or second processing, wherein when the reception means receives the selection of the first processing, the folder generation means generates in the storage means the folder of the folder name generated by the name generation means, and when the reception means receives the selection of the second processing, the name changing means changes the folder name or the file name relating to the acquired data stored in the storage means, to the folder name or the file name generated by the name generation means.

7. (Currently amended) An information transmitter that transmits information to outside, comprising:

an image pickup unit for picking up an image;

[[a]] code acquisition means for acquiring a code which is possessed on said image from a piece of image data obtained by picking up an image having the code by the image pickup unit;

[[an]] analyzing means for analyzing the code acquired by the code acquisition means and acquiring a piece of code information corresponding to the code acquired by the code acquisition means; and

[[a]] transmission means for transmitting to outside the piece of code information acquired by the analyzing means.

8. (Currently amended) The information transmitter according to claim 7, further comprising:

[[a]] display means for displaying the piece of code information acquired by the analyzing means; and

[[an]] instruction reception means for receiving an instruction whether or not the piece of code information displayed on the display means is transmitted, wherein

the transmission means transmits the piece of code information when an instruction to transmit the piece of code information is received by the instruction reception means.

9. (Currently amended) The information transmitter according to claim 7, further comprising [[an]] encoding means for encoding the piece of code information acquired by the analyzing means, wherein the transmission means sends the piece of code information encoded by the encoding means.

10. (Currently amended) The information transmitter according to claim 7, further comprising:

a plurality of analyzing means respectively corresponding to different codes; and

[[a]] selection means for selecting, based on the code acquired by the code acquisition means, an analyzing means to analyze the code from the plurality of analyzing means, wherein

the analyzing means selected by the selection means analyzes the code acquired by the code acquisition means.

11. (Currently amended) The information transmitter according to claim 10, further comprising [[a]] storage means for storing the code acquired by the code acquisition means and the piece of code information acquired by analyzing the code by the analyzing means, for each analyzing means selected by the selection means.

12. (Currently Amended) A data storage system, comprising:

an information transmitter that transmits information to outside, comprising:

an image pickup unit for picking up an image;

[[a]] code acquisition means for acquiring a code which is possessed on said image from a piece of image data obtained by picking up an image having the code by the image pickup unit;

[[an]] analyzing means for analyzing the code acquired by the code acquisition means and acquiring a piece of code information corresponding to the code acquired by the code acquisition means; and

[[a]] transmission means for transmitting to outside the piece of code information acquired by the analyzing means; and

a data storage device for storing data in a hierarchical structure, the data storage device comprising:

[[a]] reception means for receiving the piece of code information transmitted from the information transmitter; and

[[a]] name generation means for generating a folder name or a file name of the data stored by the storage device relating to the stored data, based on the piece of code information received by the reception means, wherein

the stored data provided with the folder name or the file name is not the image data from which the code is acquired.

13. (Currently amended) An information processing system, comprising:

an information transmitter that transmits information to outside, comprising:

an image pickup unit for picking up an image;

[[a]] code acquisition means for acquiring a code which is possessed on said image from a piece of image data obtained by picking up an image having the code by the image pickup unit;

[[an]] analyzing means for analyzing the code acquired by the code acquisition means and acquiring a piece of code information corresponding to the code acquired by the code acquisition means; and

[[a]] transmission means for transmitting to outside the piece of code information acquired by the analyzing means; and

an information processor for performing a predetermined processing on data based on the piece of code information transmitted from the information transmitter, wherein

the data on which the predetermined processing is performed is not the image data from which the code is acquired.

14. (Currently Amended) A data storage device having recording medium that stores acquired data in a hierarchical structure, comprising:

an image pickup unit for picking up an image; and

a controller capable of:

extracting a piece of code information corresponding to a code which is possessed on said image from a piece of image data ~~acquired~~ obtained by picking up an image having the code by the image pickup unit, and

generating a folder name or a file name of the acquired data stored by the recording medium relating to the acquired data, based on the piece of code information thus extracted, wherein

the acquired data provided with the folder name or the file name is not the image data from which the piece of code information is extracted.

15. (Currently Amended) A data storage device having a recording medium that stores acquired data in a hierarchical structure, comprising:

an image pickup unit for picking up an image;

a code recognition unit having a table in which pieces of code information are respectively corresponded to a plurality of pieces of image data; and

a controller capable of:

extracting a piece of the code information corresponding to a code which is possessed on said image, from the table, corresponding to a piece of the image data ~~acquired~~ obtained by picking up an image having the code by the image pickup unit; and

generating a folder name or a file name of the acquired data stored by the recording medium relating to the acquired data, based on the piece of the code information thus extracted, wherein

the acquired data provided with the folder name or the file name is not the image data for extracting the piece of code information by the controller.

16. (Currently amended) The data storage device according to claim 14, further comprising a controller capable of:

determining whether or not the piece of code information is extracted; and

generating the folder name or the file name relating to the acquired data based on predetermined information, when determining that the piece of code information is not extracted.

17. (Previously Presented) The data storage device according to claim 16, further comprising a controller capable of reporting a message that the piece of code information is not extracted, when determining accordingly.

18. (Currently amended) The data storage device according to claim 14, further comprising a controller capable of:

generating in the storage medium a folder of a generated folder name; and

changing the folder name or the file name relating to the acquired data stored in the storage medium, to the generated folder name or file name.

19. (Currently amended) The data storage device according to claim 18, further comprising a controller capable of:

receiving a selection of one of a first processing and a second processing;

generating in the storage medium the folder of the generated folder name, when the selection of the first processing is received, and

changing the folder name or the file name relating to the ~~image~~ acquired data stored in the storage medium, to the generated folder name or the file name, when the selection of the second processing is received.

20-24. (Canceled)

25. (Currently Amended) A data storage system, comprising:

an information transmitter that transmits information to outside, comprising:

an image pickup unit for picking up an image;

a code extraction unit for acquiring a code which is possessed on said image from a piece of image data obtained by picking up an image having the code by the image pickup unit;

a decoding unit for analyzing the code thus acquired and acquiring a piece of code information corresponding to the code acquired by the code extraction unit; and

a communication unit for transmitting the acquired piece of code information to outside; and

a data storage device for storing data in a hierarchical structure, the data storage device comprising:

a communication unit for receiving the piece of code information transmitted from the information transmitter, and

a controller capable of generating a folder name or a file name of the data stored by the storage device relating to the stored data, based on the received piece of code information, wherein

the stored data provided with the folder name or the file name is not the image data from which the code is acquired.

26. (Previously presented) An information processing system, comprising:

an information transmitter that transmits information to outside, comprising:

an image pickup unit for picking up an image;

a code extraction unit for acquiring a code which is possessed on said image from a piece of image data obtained by picking up an image having the code by the image pickup unit;

a decoding unit for analyzing the code thus acquired and acquiring a piece of code information corresponding to the code acquired by the code extraction unit; and

a communication unit for transmitting the acquired piece of code information to outside; and

an information processor that performs a predetermined processing on data based on the piece of code information transmitted from the information transmitter, wherein

the data on which the predetermined processing is performed is not the image data from which the code is acquired.